



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
GORDON, et al

Application No.: 10/703,393

Filed: November 7, 2003

For: BACKGROUND ESTIMATION  
AND SEGMENTATION BASED ON  
RANGE AND COLOR

Atty. Docket No.: INT1P932C1

Examiner: Unassigned

Group: 2621

Date: March 10, 2004

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop \_\_\_\_\_, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on March 11, 2004.

Signed: \_\_\_\_\_

Pat Tate

INFORMATION DISCLOSURE STATEMENT

UNDER 37 CFR §§1.56 AND 1.97(b) BEFORE MAILING OF A FIRST OFFICE ACTION

Mail Stop \_\_\_\_\_  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449 may be material to examination of the above-identified patent application. Applicants submit the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a Continuation of prior application U.S. Patent Application No. 09/453,450. This prior application is being relied upon for an earlier filing date under 35 U.S.C. § 120. Because



The listed references were either cited by the PTO, or submitted to the PTO in the prior application, under 37 CFR § 1.98(d) Applicants submit that copies need not be provided.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is believed to be filed before the mailing date of a first Office Action on the merits. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-0685 (Order No. INT1P932C1).

Respectfully submitted,

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Form 1449 (Modified)	Atty Docket No. INT1P932C1
Information Disclosure Statement By Applicant	Application No.: 10/703,393
	Inventor GORDON, et al
	Group 2621
(Use Several Sheets if Necessary)	Filing Date November 7, 2003

#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	5,864,630	Jan 26, 1999	Cosatto, et al	382	103	Nov. 20, 1996
	B	5,917,937	Jun 29, 1999	Szeliski, et al	382	154	April 15, 1997
	C	6,028,672	Feb. 22, 2000	Geng	356	376	Sept. 30, 1996
	D	6,188,777 B1	Feb. 13, 2001	Darrell, et al	382	103	June 22, 1998
	E	6,141,434	Oct 31, 2000	Christian, et al	382	103	Feb. 6, 1998
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#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	G							

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	H	Appenzeller, et al, "A Low-Cost Real-Time Stereo Vision System for Looking at People", Proc. Of IEEE International Symposium on Industrial Electronics, 1997, vol. 3, p. 767-772.
	I	Gordon, et al, "Background Estimation and Removal Based on Range and Color", Interval Research Corporation
	J	Kim, Sang-Hoon et al, "Facial Region Detection Using Range Color Information"; IEICE Transactions on Information and Systems, JP, Institute of Electronics Information and Comm. Eng. Tokyo, vol. E81-D, No. 9, Sep. 1998, pgs 968-975.
	K	Malassiotis, Stiris et al, "Coding of video-conference stereo image sequences using 3D models"; Signal Processing Image Communication, NL, Elsevier Science Publishers, Amsterdam, Vol. 9, No. 2, Jan. 1997, pgs. 125-135
	M	Nickerson, S.B., et al, "The ARK project: Autonomous Mobile Robots for Known Industrial Environments"; Robotics and Autonomous Systems, NL, Elsevier Science Publishers, Amsterdam, Vol. 25, No. 1-2, Oct. 1998, pgs. 83-104.
	N	Taniguchi, et al, "Scene Interpretation by Fusing Intermediate Results of Multiple Visual Sensory Information Processing", Proc. IEEE International Conference on MFI 1994, Multi-sensor Fusion and Integration for Intelligence Systems, pp. 699-706.
	O	Woodfill, John, "Real-Time Stereo Vision on the PARTS Reconfigurable Computer", IEEE Symposium on FPGAs for Custom Computing Machines, April 1997.
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.